

# Weekly Report

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## Summary

- Restructure the code of *Visevo* to make it more robust and complete to our original design.
- Help build system of *X-SATree* on heatmap scenario. This system consists of *RSATree*, *KDSATree* and *GSATree* cases and it can be expanded to more algorithms in the future.
- Test the heatmap system on the POI dataset (more than 900 thousand items) over metrics like precision, efficiency, space consumption and interpolation frequency.

## Future Work

- Refine implementation of *RSATree*; prepare to write graduation paper and apply for a patent for this algorithm.
- Learn front-end technology systematically.
- Continue to learn course of *deeplearning.ai* on *Coursera*; start to read some classic papers of deep learning.